

Appointment

From: Pilant, Drew [Pilant.Drew@epa.gov]
Sent: 3/5/2020 2:37:40 PM
To: Pilant, Drew [Pilant.Drew@epa.gov]; Lanier, Sarah [Lanier.Sarah@epa.gov]; Miller, Rebecca [Miller.Rebecca.L@epa.gov]; Tadesse, Haile [tadesse.haile@epa.gov]; Murphy, Benjamin [Murphy.Benjamin@epa.gov]; D'Ambro, Emma [dambro.emma@epa.gov]
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Subject: PFAS mapping in the Cape Fear River basin using GeoPFAS: Rebecca Miller (ORAU) exit seminar
Location: RTP-D201-Max40/RTP-Bldg-D
Start: 3/11/2020 6:00:00 PM
End: 3/11/2020 7:00:00 PM
Show Time As: Busy

Required Attendees: Pilant, Drew; Lanier, Sarah; Miller, Rebecca; Tadesse, Haile; Murphy, Benjamin; D'Ambro, Emma
Optional Attendees: Lindstrom, Andrew; Buckley, Timothy; Barrette, Michael; Montilla, Alex; Scheitlin, Tom; Baghdikian, Christina; Strynar, Mark; McCord, James; Washington, John; Ryan, Jeff; Baumgardner, Ralph; Baynes, Jeremy; Daniel, Jessica; Ebert, Donald; Endres, Keith; Giri, Chandra; liames, John; Mehaffey, Megan; Morgan, Marsha; Neale, Anne; Tsai, Wei-Lun; VanFossen, Megan; Wickham, James; Culler, Megan; Graybill, David; Gundersen, Gillian; Hartley, Jenna; Jenkins, Molly; Kumar, Sudha; Minich, Taylor; Rosenbaum, Daniel; Schwartz, Alexander; Shrestha, Shanti; Cascio, Wayne; Ward-Caviness, Cavin; Wickersham, Lindsay; Baxter, Lisa; Holt, Kay; Pruzinsky, Amanda; Mathur, Rohit; Gillespie, Andrew; Cheng, Bin; Alapaty, Kiran; Hubal, Elaine; Cashdollar, Jennifer; Stanek, Lindsay; Watkins, Tim; Speir, Jeffrey; Ireland, Sean; Spalt, Nicholas; Yourish, Jesse; Grokhowsky, Nicholas; Carlson, Laura; Speth, Thomas; Herrmann, Ronald; Resek, Elizabeth; Holdsworth, Thomas; Raffaele, Kathleen; Behl, Betsy; Scheckel, Kirk; Mills,

Dear all,

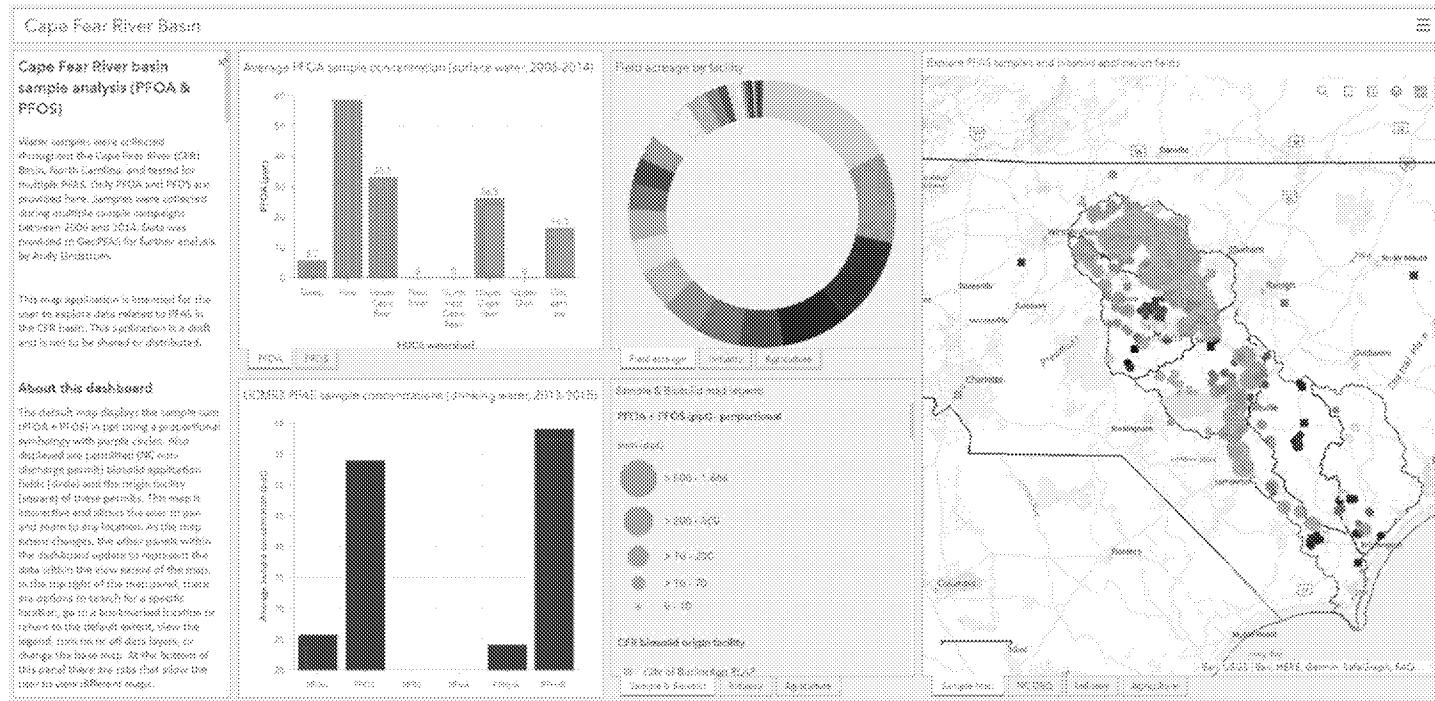
Rebecca Miller has been a crucial member of the GeoPFAS GIS development team. She is transitioning to another ORAU NSSC position in RTP and will present her PFAS mapping research work in progress in this seminar. (Please note: this is EPA Internal only.)

Abstract

Using GeoPFAS GIS to explore PFAS occurrence and potential sources in the Cape Fear River Basin, NC

Rebecca Miller, MSc

PFAS contamination is well-documented downstream of the Chemours facility, south of Fayetteville, NC. However, this source does not explain the high concentrations of PFAS detected in the upper reaches of the Cape Fear River basin in the Haw and Deep subbasins. Where are these high concentrations of PFAS coming from? Without the resources and proper technology, wastewater treatment plants, which receive both domestic and industrial wastewater, are unable to remove PFAS adequately. PFAS are then discharged into surface waters and applied as soil amendments (biosolids) which can contaminate drinking water sources and agricultural operations. During several sampling campaigns from 2006 to 2014, EPA scientists collected PFAS samples throughout the Cape Fear River (CFR) basin. These samples included several PFAS analytes; only PFOA and PFOS were analyzed in this study. Recently, NC DEQ required WWTP in the CFR basin with an industrial pretreatment program to test their influent for several PFAS analytes. This sample data, and the EPA sample data are both used to explore potential source hypotheses using GeoPFAS GIS tools.



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